



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/632,436  
Source: O/PE  
Date Processed by STIC: 8/12/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/632,436

DATE: 08/12/2003

TIME: 07:36:27

Input Set : E:\MSU\_Seqlisting\_CR\_Format.txt  
 Output Set: N:\CRF4\08122003\J632436.raw

3 <110> APPLICANT: Michael F. Thomashow  
 4 Sarah George Fowler  
 5 Jonathan Vogel  
 6 Daniel Zarka  
 8 <120> TITLE OF INVENTION: Transcription Factors to Improve Plant Stress Tolerance  
 10 <130> FILE REFERENCE: 21835-00004  
 12 <140> CURRENT APPLICATION NUMBER: US/10/632,436  
 12 <141> CURRENT FILING DATE: 2003-08-01  
 12 <150> PRIOR APPLICATION NUMBER: 60/400,777  
 W--> 14 <151> PRIOR FILING DATE: August 2, 2002 2002-08-02 *<use this date format*  
 16 <160> NUMBER OF SEQ ID NOS: 2

## ERRORED SEQUENCES

57 <210> SEQ ID NO: 2  
 58 <211> LENGTH: 1308 *816 shown below*  
 59 <212> TYPE: DNA

Do Not Comply  
 Corrected Diskette Needed

60 <213> ORGANISM: Arabidopsis thaliana

W--> 61 <220> FEATURE:

W--> 62 <221> NAME/KEY:

63 <222> LOCATION:

64 <223> OTHER INFORMATION: This is a cDNA sequence derived from mRNA encoding the putative zinc-

65 finger protein Zat12 (locus tag: At5g59820). The Zat12 coding sequence consists  
 66 of nucleotides 102 through 590 as numbered below.

68 <400> SEQUENCE: 2

70 atcatcacaa ctactatcac accaaaactca	aaaaacacaa accacaagag gatcattca	60
71 ttttttattt ttcgtttta atcatcatca	tcagaagaaa aatgggtcg atatcgaga	120
72 tcaagtgcac ggtggatgtc acggcggcga	attgtttgat gcttttatct agagttggac	180
73 aagaaaacgt tgacggtgcc gatcaaaaac	gcgtttcac atgtaaaacg tggtaaaggc	240
74 agtttcattt cttccaagcc ttaggagggtc	accgtgcgag tcacaagaag cctaacaacg	300
75 acgctttgtc gtctggattt atgaagaagg	tgaaaacgtc gtcgcatttc tgtccatata	360
76 gtggagtgga gttccgatg ggacaagctt	tgggaggaca catgaggaga cacagaacg	420
77 agagtggggc tgctggtgcc gcgttgttta	cacgcgtttt gttgccggag cccacgggtga	480
78 ctacgttgaa gaaatctagc agtgggaaga	gagtggctt tttggatctg agtctaggga	540
79 tggtgacaa tttgaatctc aagttggagc	tttggaaac agtttattttt ttttattttt	600
80 ttcccttaaa ttttctaat atattttttt ctctcattct ttgaattttt cttaatattc		660
81 tagattatac atacatccgc agattttagga	aactttcata gagtgaatc ttttctttct	720
82 gtaaaaaat attttacttg tagcattgga	gatttggat gagattatct tacttagcat	780
E--> 83 ttagtgaata atctattagc ctatggcc gacgtg		816

RAW SEQUENCE LISTING ERROR SUMMARY                   DATE: 08/12/2003  
PATENT APPLICATION: US/10/632,436                   TIME: 07:36:28

Input Set : E:\MSU\_Seqlisting\_CR\_Format.txt  
Output Set: N:\CRF4\08122003\J632436.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 26  
Seq#:2; Line(s) 65

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/632,436

DATE: 08/12/2003

TIME: 07:36:28

Input Set : E:\MSU\_Seqlisting\_CR\_Format.txt  
Output Set: N:\CRF4\08122003\J632436.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:14 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:24 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:61 M:283 W: Missing Blank Line separator, <220> field identifier  
L:62 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2  
L:83 M:252 E: No. of Seq. differs, <211> LENGTH:Input:1308 Found:816 SEQ:2